

MODIS sensor Working Group (MsWG) Meeting Summary

July 20, 2005

Attendance: Bill Barnes, Vincent Chiang, Gerhard Meister, Junqiang Sun, Gary Toller, Eric Vermote, Zhengming Wan, Aisheng Wu, Xiaobo Xie, Jack Xiong

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Terra collection 4 forward update – V4.3.0.30 (July 08) to DAAC.
 - Terra collection 5 forward update – V5.0.6.6 (July 11) to DAAC.
 - Aqua collection 4 forward update – V4.3.1.19 (July 18) to DAAC.
 - Aqua collection 5 forward update – V5.0.7.3 (July 5) to DAAC.
- VC) Aqua collection 5 L1B has already started.
BB) Why is that forward V4 and V5 being delivered together?
JX) It's science request to have consistent products. That's why V4 is still being delivered.

Item 2: Instrument status

- Terra and Aqua MODIS are in normal operations.
 - Aqua MODIS data loss for about 89 minutes, 2005191/16:23:54-17:52:47, due to several ground station limitations and SSR overflow during the playback.
 - Aqua SRCA test for 10W lamp anomaly.
- JX) The test was done yesterday. It is confirmed that 10W lamp #3 is bad. Only two 10W lamps (#1 and #4) left for 20W operation, no 30W available. This will impact and limit the SRCA characterization on some low gain RSB bands. We will provide detailed SRCA calibration change.

Item 3: Aqua SRCA 10W lamp issue

- The IOT is revising the SRCA operational software for all three modes in order to reduce the usage of the lamp since only lamps #1 and #3 are currently available. The 30W characterization test has to be cut and replaced by 20W. The frequency of all operational activities will be reduced. For example, the spatial test will be every 3 months instead of 2 months, and spectral will become twice a year.
- JX) There is no impact on the calibration or the sensor, and no concern on the science data because of this reduction.

Around the Table

Participant: Zhengming Wan – on the inter-comparison

- JX) I have been recently looking at some geo-located satellite inter-comparisons. When you compare the data, what is the typical standard deviation for your validation, e.g. B20?
ZW) I only consider data within 4 pixels and it's about 0.2K. Mostly I use night time data for comparison because there is a lot of variation for the day time data.

Participant: Jack Xiong – on the meeting schedule

- JX) There will be IGARSS next week and then SPIE in the following week.

Next MsWG meeting scheduled on August 10, 2005